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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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| <b>In re United States Patent Application of:</b>  | <b>Docket No.:</b> 2771-617   |
| <b>Applicants:</b> KING, Mackenzie, et al.   | <b>Conf. No.:</b> 8498        |
| <b>Application No.:</b> 10/672,433   | <b>Art Unit:</b> 1753         |
| <b>Date Filed:</b> September 26, 2003  | <b>Examiner:</b> Kaj K. Olsen |
| <b>Title:</b> ELECTRODE ASSEMBLY<br>FOR ANALYSIS OF METAL<br>ELECTROPLATING<br>SOLUTION, COMPRISING<br>SELF-CLEANING<br>MECHANISM, PLATING<br>OPTIMIZATION<br>MECHANISM, AND/OR<br>VOLTAGE LIMITING<br>MECHANISM | <b>Customer No.:</b>          |

**25559**

**FACSIMILE TRANSMISSION CERTIFICATE**

**ATTN: Examiner Kaj K. Olsen**

**Fax No. (571) 273-8300**

I hereby certify that this document is being filed in the United States Patent and Trademark Office, via facsimile transmission, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, and transmitted on the date specified below, to United States Patent and Trademark Office facsimile transmission number (571) 273-8300.

**22**

**Number of Pages**

**Steven J. Hultquist**

**June 24, 2007**

**Date**

**RESPONSE TO MARCH 23, 2007 OFFICE ACTION IN U.S. PATENT APPLICATION**  
**NO. 10/672,433**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

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Sir:

This responds to the March 23, 2007 Office Action in the above-identified application.

Please amend the claims of the above-identified patent application as set out in **Section I (Amendments to the Claims)** hereof.

Remarks concerning the amendments to the claims and the substance of the March 23, 2007 Office Action are set out in **Section II (Remarks)** hereof.